

A model: Integrating Humanities into Science and Engineering Programs

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First Experiences as Director of Humanities

Challenge:

Develop a program that would bring about a transdisciplinary understanding of sciences and engineering that should transpire into students' mindset and attitudes.

Meetings with Consulting Committee of the Humanities Dept at UTEC.

Insights:

- “As CEO, most of my job is related to **talent** management” (Humberto Nadal - CEO of Cementos Pacasmayo)
- “**Empower** students to the point they develop a voice of their own so they can stand up for themselves” (Roberto Lerner - Psychoanalyst)
- “Make it **fun** for students!” (Humberto Polar - Publicist)

Envisioning the program & landing a structure

First structure responded to managerial needs and a linear understanding of coordination and responsibilities.

- Finding the right co-pilots
- Content-centered

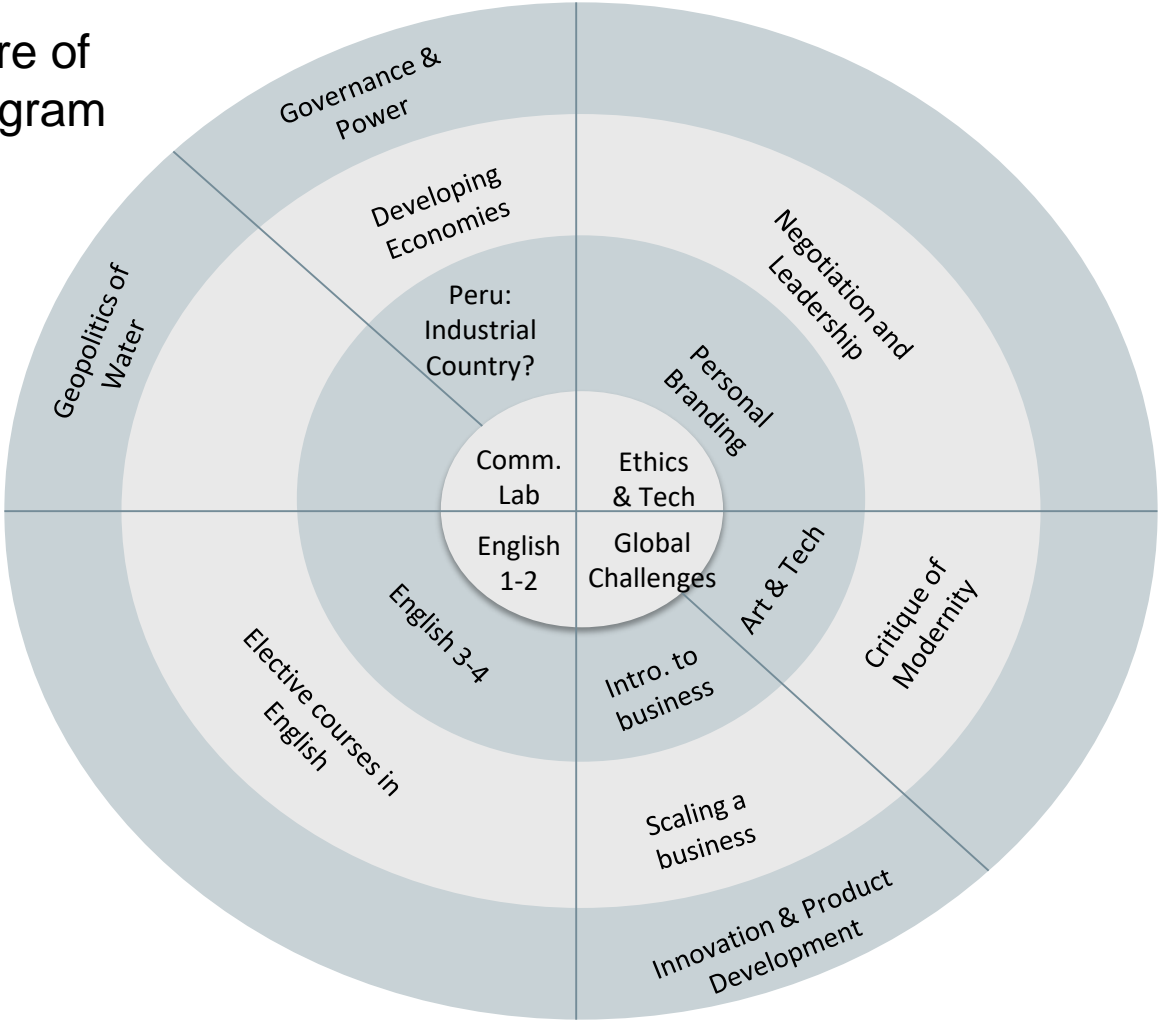
Second structure responded to a competencies development focus and a cyclical understanding of education.

- Learner-centered
- Transdisciplinary Faculty

First Structure of Humanities Program

1. Business	2. Lab. Com	3. Arte y Tec	4. Economía e Industria	5. Ética y Competencias	6. Inglés
Gabriela Pella	Talia Tijero	Marita Ibañez	Jose Carlos Saavedra	Antuané de la Flor	Carolina Malbrán
Introducción al Desarrollo de Empresa	Lab.com 0	Desafíos Globales	Perú: ¿País Industrial?	Ética y Tecnología	Inglés 0
Gestión de Empresa	Lab Com 1	Arte y Tecnología	Economías en Desarrollo	Imagen y Marca Personal	Inglés 1
Innovación y Desarrollo de Productos	Lab. Com 2	Crítica de la Modernidad - Jaime Villanueva	Gobernanza y Distribución de Poder	Liderazgo y Negociación	Inglés 2
Emprendedores en acción (2017-1)	Intro. al Quechua (2017-1)		Behavioral Economics (2017-2)	Intro. a Neurociencias (2017-2)	Inglés 3 y 4

Current Structure of Humanities Program



Implemented strategies so far

- Educational Model: Integrated Learning Experience
- 10 min. introductory **meditation**/breathing exercises in Communication Labs 1, 2 & 3
- Transdisciplinary courses (e.g. Peru: Industrial Country?, Geopolitics of Water, The origin of the Cosmos, Designing Fictions)
- Disruptive workshops: voices hacking the system
- Transdisciplinary profile of faculty and co-teaching experiences
- “UTEC goes Quechua” initiative

Next steps

- Partnership with Transdisciplinary Studies Program at Purdue
- Transdisciplinary trend: Faculty development programs
- Collaborative courses: Humanities + Engineering

